

Converting Colors

$Y_{xy}(29.4996, 0.3669, 0.2157)$

Have a look what the booklet for
Yxy(29.4996, 0.3669, 0.2157)
contains.

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Color

Yxy(29.4978, 0.3669, 0.2157)

Conversions

Conversions Part 1

Format	Color
Hex	F255C7
RGB	242, 85, 199
RGB Percent	95%, 33%, 78%
CMY	0.0510, 0.6666, 0.2196
CMYK	0.00, 0.65, 0.18, 0.05
HSL	316°, 86%, 64%
HSV	316°, 65%, 95%
XYZ	50.1750, 29.4978, 57.0810
YIQ	144.9390, 56.9780, 68.7380

Conversions

Conversions Part 2

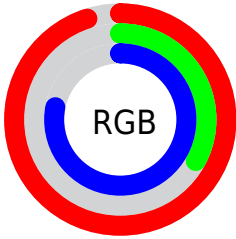
Format	Color
R _Y B	242, 85, 199
Decimal	15881671
CIE _{Lab}	61.22, 71.26, -28.13
CIE _{LCh}	61, 76.611, 338.458
Y _{xy}	29.4978, 0.3669, 0.2157
Android (android.graphics.Color)	4294071751 (0xFFFF255C7)
YUV	144.9390, 26.6521, 85.1225
Hunter-Lab	54.3119, 69.8580, -24.2947

Details

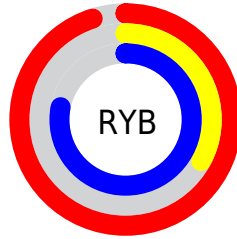
The Yxy color **29.4978, 0.3669, 0.2157** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **66.9949, 0.2862, 0.4866**, and the grayscale version is **28.1637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4265, 0.3177, 0.2221**, and **11.9894, 0.3801, 0.1867** is the 20% darker color. If you saturate the color by 10%, you get **26.0167, 0.3783, 0.2058**, and if you desaturate by 10%, it is **34.2975, 0.3559, 0.2295**.

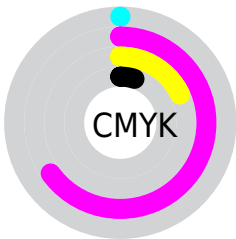
Distribution



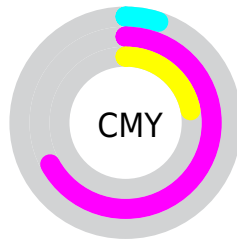
- Red (95%)
- Green (33%)
- Blue (78%)



- Red (95%)
- Yellow (33%)
- Blue (78%)



- Cyan (0%)
- Magenta (65%)
- Yellow (18%)
- Black (5%)





- Cyan (5%)
- Magenta (67%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.4978, 0.3669, 0.2157 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 29.4978, 0.3669, 0.2157 by changing the saturation by 10% instead.


 29.4978, 0.3669,
0.2157


 29.4978, 0.3669,
0.2157


299.5565, 0.3408,
0.2702


 19.4577, 0.3730,
0.2029


 58.8671, 0.3577,
0.2349


 12.0015, 0.3807,
0.1870


 78.9650, 0.3541,
0.2423

 6.7447, 0.3904,
0.1669


 103.1844, 0.3511,
0.2487

 3.3029, 0.4031,
0.1408

 131.9096, 0.3485,
0.2541

 1.2919, 0.4198,
0.1064

165.5251, 0.3462,
0.2589

 0.1349, 0.4585,
0.0264

204.4151, 0.3442,

 0.0000, 0.4731,

0.2631

0.0000

248.9641, 0.3424,
0.2669

■ 0.0000, 0.0000,
0.0000

■ 29.4978, 0.3669,
0.2157

■ 29.4978, 0.3669,
0.2157

■ 26.0167, 0.3783,
0.2058

■ 34.2975, 0.3559,
0.2295

■ 23.7104, 0.3898,
0.2005

■ 40.5311, 0.3458,
0.2460

■ 22.4095, 0.4010,
0.2001


■ 48.3064, 0.3366,
0.2642


■ 22.0005, 0.4066,
0.2014


■ 57.7196, 0.3284,
0.2831

■ 68.8588, 0.3214,
0.3020

 81.8062, 0.3153,
0.3204

 96.6382, 0.3102,
0.3378

 97.4273, 0.3064,
0.3319

 97.6173, 0.3047,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.4978, 0.2472, 0.1741



29.4978, 0.3669, 0.2157



29.4978, 0.4894, 0.2783

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



29.4978, 0.3669, 0.2157



29.4978, 0.4409, 0.5143



29.4978, 0.1232, 0.2353

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



29.4978, 0.3669, 0.2157



66.9949, 0.2862, 0.4866

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



29.4978, 0.1549, 0.3537



29.4978, 0.3669, 0.2157



29.4978, 0.3362, 0.5623

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



29.4978, 0.3669, 0.2157



29.4978, 0.5222, 0.4307



29.4978, 0.2312, 0.5011



29.4978, 0.1286, 0.1764

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



29.4978, 0.3669, 0.2157



29.4978, 0.5384, 0.3259



29.4978, 0.2312, 0.5011



29.4978, 0.1291, 0.2677

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



29.4993, 0.3669, 0.2157



72.0624, 0.3242, 0.2941



17.4117, 0.2133, 0.1326



14.6618, 0.3262, 0.2887



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.4993, 0.3669, 0.2157



28.2925, 0.3822, 0.2035



26.7720, 0.4749, 0.2932



15.9532, 0.3180, 0.3120



11.8431, 0.4049, 0.2004



1.0019, 0.3913, 0.1929

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



29.4993, 0.3669, 0.2157



28.2925, 0.3822, 0.2035



69.8617, 0.2511, 0.3767



15.9532, 0.3180, 0.3120



11.8431, 0.4049, 0.2004



1.0019, 0.3913, 0.1929

Previews

White Background



This preview shows how the Yxy color 29.4978, 0.3669, 0.2157 looks on a white background.

Color Contrast Check

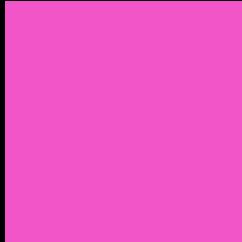
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 29.4978, 0.3669, 0.2157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

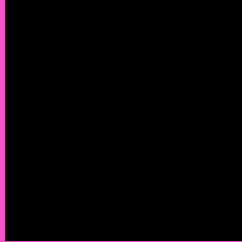
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.4978, 0.3669, 0.2157

Background



This preview shows how black text looks on a background with the Yxy color 29.4978, 0.3669, 0.2157.



This preview shows how white text looks on a background with the Yxy color 29.4978, 0.3669, 0.2157.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

29.4978, 0.3669, 0.2157

Protanopia

30.0304, 0.2121, 0.1938

Deuteranopia

29.5440, 0.2685, 0.2624



Tritanopia

29.4554, 0.4632, 0.3219

Trichromacy



Original Color

29.4978, 0.3669, 0.2157



Protanomaly

26.8477, 0.2493, 0.1919



Deuteranomaly

27.3633, 0.3001, 0.2357



Tritanomaly

29.1942, 0.4281, 0.2798

Monochromacy



Original Color

29.4978, 0.3669, 0.2157



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

26.5858, 0.3327, 0.2705

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4978, 0.3669, 0.2157 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(242, 85, 199)` looks like.

```
.text, #text, p{  
    color:rgb(242, 85, 199)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(242, 85, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 85, 199) }
```

Border

The CSS property to change the border of an element to Yxy 29.4978, 0.3669, 0.2157 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(242, 85, 199) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(242, 85, 199) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(242, 85, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 85, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 85, 199);  
box-shadow:4px 4px 4px 4px rgb(242, 85,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4978, 0.3669, 0.2157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 85, 199) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(242, 85,  
199) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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